

Substitute Form PTO-1449
(Modified)

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.
11696-067001

Application No.
10/058,825

**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR 1.98(b))

Applicant
Roderick J. Scott

Filing Date
January 30, 2002

Group Art Unit
1632

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
b	AB	0 117 618	07/27/88	EPO				
	AC	0 242 246	11/11/92	EPO				
	AD	0 270 822	06/15/88	EPO			Abstr.	
	AE	0 344 029	01/29/97	EPO				
	AF	WO 98/04725	02/05/98	PCT				
	AG	WO 98/07834	02/26/98	PCT				
	AH	WO 01/09299	02/08/01	PCT				

Other Documents (Include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
b	AI	GenBank Accession No. C10692 Dec 1998
✓	AJ	GenBank Accession No. U53501 May 1996
✓	AK	GenBank Accession No. Z97335 June 1999
✓	AL	GenBank Accession No. AC002130 8/2000 Aug 2000
✓	AM	GenBank Accession No. AC002396 Oct 2002
✓	AN	GenBank Accession No. AC002986 5/98 May 1998
✓	AO	GenBank Accession No. AC007067 June 2000
✓	AP	GenBank Accession No. AF014824 Aug 1997
✓	AQ	GenBank Accession No. AL021635 Feb 1978
✓	AR	GenBank Accession No. AL021711 March 2000
✓	AS	GenBank Accession No. AL035538 Feb. 1999
✓	AT	Adams et al., "Parent-of-origin effects on seed development in <i>Arabidopsis thaliana</i> require DNA methylation," <i>Development</i> , 2000, 127(11):2493-2502
✓	AU	Alexander and Wulff, "Experimental Ecological Genetics in <i>Plantago</i> : X. The Effects of Maternal Temperature on Seed and Seeding Characters in <i>P. Lanceolata</i> ," <i>J. Ecology</i> , 1985, 73(1):271-282

Examiner Signature

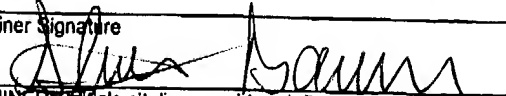
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✓	AV	Angenent et al., "A Novel Class of MADS Box Genes is Involved in Ovule Development in <i>Petunia</i> ," <i>Plant Cell</i> , 1995, 7:1569-1582
✓	AW	Bender and Fink, "Epigenetic Control of an Endogenous Gene Family Is Revealed by a Novel Blue Fluorescent Mutant of <i>Arabidopsis</i> ," <i>Cell</i> , 1995, 83:725-734
✓	AX	Bevan, "Binary <i>Agrobacterium</i> vectors for plant transformation," <i>Nucleic Acids Res.</i> , 1984, 12(22):8711-8721
✓	AY	Bhattacharya et al., "A mammalian protein with specific demethylase activity for mCpG DNA," <i>Nature</i> , 1999, 397:579-583
✓	AZ	Brink and Cooper, "The Endosperm in Seed Development," <i>The Botanical Review</i> , 1947, 13:423-541
✓	AAA	Brutnell and Dellaporta, "Somatic Inactivation and Reactivation of <i>Ac</i> Associated With Changes in Cytosine Methylation and Transposase Expression," <i>Genetics</i> , 1994, 138:213-225
✓	ABB	Chaudhuri and Messing, "Allele-specific parental imprinting of <i>dzrl</i> , a posttranscriptional regulator of zein accumulation," <i>Proc. Natl. Acad. Sci. USA</i> , 1994, 91:4867-4871
✓	ACC	Chaudhury et al., "Fertilization-independent seed development in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1997, 94:4223-4228
✓	ADD	Chen et al., "Gene dosage and stochastic effects determine the severity and direction of uniparental ribosomal RNA gene silencing (nucleolar dominance) in <i>Arabidopsis</i> allopolyploids," <i>Proc. Natl. Acad. Sci. USA</i> , 1998, 95:14891-14896
✓	AEE	Colombo et al., "The <i>Petunia</i> MADS Box Gene <i>FB11</i> Determines Ovule Identity," <i>Plant Cell</i> , 1995, 7:1859-1868
✓	AFF	Duvick, "Genetic Contributions to Advances in Yield of U.S. Maize," <i>Maydica</i> , 1992, 37:69-79
✓	AGG	Ehlenfeldt and Ortiz, "Evidence on the nature and origins of endosperm dosage requirements in <i>Solanum</i> and other angiosperm genera," <i>Sex Plant Reprod.</i> , 1995, 8:189-196
✓	AHH	Finnegan et al., "Reduced DNA methylation in <i>Arabidopsis thaliana</i> results in abnormal plant development," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:8449-8454
✓	AII	Foster et al., "A <i>Brassica napus</i> mRNA encoding a protein homologous to phospholipid transfer proteins, is expressed specifically in the tapetum and developing microspores," <i>Plant Science</i> , 1992, 84:187-192
✓	AJJ	Fromm et al., "Stable transformation of maize after gene transfer by electroporation," <i>Nature</i> , 1986, 319:791-793
✓	AKK	Giroux et al., "A single gene mutation that increases maize seed weight," <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93:5824-5829
✓	ALL	Goto and Meyerowitz, "Function and regulation of the <i>Arabidopsis</i> floral homeotic gene <i>PISTILLATA</i> ," <i>Genes & Development</i> , 1994, 8:1548-1560
✓	AMM	Grossniklaus et al., "Maternal Control of Embryogenesis by MEDEA, a <i>Polycomb</i> Group Gene in <i>Arabidopsis</i> ," <i>Science</i> , 1998, 280:446-450
✓	ANN	Gruenbaum et al., "Sequence specificity of methylation in higher plant DNA," <i>Nature</i> , 1981, 292:860-862
✓	AOO	Guberac et al., "Influence of seed size on germinability, germ length, rootlet length and grain yield in spring oat," <i>Die Bodenkultur</i> , 1998, 49(1):13-18

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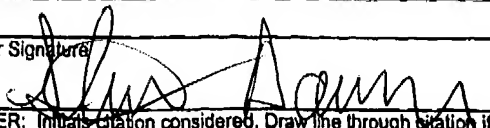
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Other Documents (include Author, Title, Date, and Place of Publication)

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✓	APP	Haig and Westoby, "Genomic imprinting in endosperm: its effect on seed development in crosses between species, and between different ploidies of the same species, and its implications for the evolution of apomixis," <u>Phil. Trans. R. Soc. Lond. B</u> , 1991, 333:1-13
✓	AQQ	Hannah and Greene, "Maize Seed Weight is Dependent on the Amount of Endosperm ADP-glucose Pyrophosphorylase," <u>J. Plant Physiol.</u> , 1998, 152:649-652
✓	ARR	Irish and Yamamoto, "Conservation of Floral Homeotic Gene Function between Arabidopsis and Antirrhinum," <u>Plant Cell</u> , 1995, 7:1635-1644
✓	ASS	Jack et al., "The Homeotic Gene <i>APETALA3</i> of Arabidopsis thaliana Encodes a MADS Box and Is Expressed in Petals and Stamens," <u>Cell</u> , 1992, 68:683-697
✓	ATT	Jones et al., "Methylated DNA and MeCP2 recruit histone deacetylase to repress transcription," <u>Nature Genetics</u> , 1998, 19:187-191
✓	AUU	Kakutani et al., "Characterization of an Arabidopsis thaliana DNA hypomethylation mutant," <u>Nucleic Acids Res.</u> , 1995, 23:130-137
✓	AVV	Kakutani et al., "Developmental abnormalities and epimutations associated with DNA hypomethylation mutations," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93:12406-12411
✓	AWW	Kass et al., "DNA methylation directs a time-dependent repression of transcription initiation," <u>Current Biology</u> , 1997, 7:157-165
✓	AXX	Kermicle and Alleman, "Gametic imprinting in maize in relation to the angiosperm life cycle," <u>Development</u> , 1990, Supplement, pp. 9-14
✓	AYY	Kiyosue et al., "Control of fertilization-independent endosperm development by the <i>MEDEA</i> polycomb gene in Arabidopsis," <u>Proc. Natl. Acad. Sci. USA</u> , 1999, 96:4186-4191
✓	AZZ	Koltunow et al., "Apomixis: Molecular Strategies for the Generation of Genetically Identical Seeds without Fertilization," <u>Plant Physiol.</u> , 1995, 108:1345-1352
✓	AAAA	Krannitz et al., "The Effect of Genetically Based Differences in Seed Size on Seedling Survival in Arabidopsis Thaliana (Brassicaceae)," <u>Am. J. Botany</u> , 1991, 78(3):446-450
✓	ABBB	Laherty et al., "Histone Deacetylases Associated with the mSin3 Corepressor Mediate Mad Transcriptional Repression," <u>Cell</u> , 1997, 89:349-356
✓	ACCC	Li et al., "Role for DNA methylation in genomic imprinting," <u>Nature</u> , 1993, 366:362-365
✓	ADDD	Lund et al., "Endosperm-specific demethylation and activation of specific alleles of α -tubulin genes of <i>Zea mays</i> L.," <u>Mol. Gen. Genet.</u> , 1995, 246:716-722
✓	AEEE	Luo et al., "Genes controlling fertilization-independent seed development in Arabidopsis thaliana," <u>Proc. Natl. Acad. Sci. USA</u> , 1999, 96:296-301
✓	AFFF	Manga and Yadav, "Effect of seed size on developmental traits and ability to tolerate drought in pearl millet," <u>J. Arid Environments</u> , 1995, 29:169-172
✓	AGGG	Marshall, "Effect of Seed Size on Seedling Success in Three Species of Sesbania (Fabaceae)," <u>Amer. J. Bot.</u> , 1986, 73(4):457-464
✓	AHHH	Martienssen and Richards, "DNA methylation in eukaryotes," <u>Curr. Opin. Genet. Dev.</u> , 1995, 5:234-242
✓	AIHH	Matzke and Matzke, "How and Why Do Plants Inactivate Homologous (Trans)genes?" <u>Plant Physiol.</u> , 1995, 107:679-685
✓	AJJJ	Nan et al., "Transcriptional repression by the methyl-CpG-binding protein MeCP2 involves a histone deacetylase complex," <u>Nature</u> , 1998, 393:386-389

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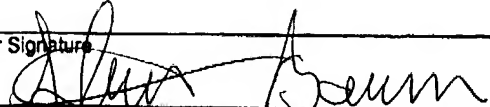
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Other Documents (Include Author, Title, Date, and Place of Publication)

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✓	AKKK	Napoli et al., "Introduction of a Chimeric Chalcone Synthase Gene into Petunia Results in Reversible Co-Suppression of Homologous Genes <i>in trans</i> ," <u>Plant Cell</u> , 1990, 2:279-289
✓	ALLL	Ohad et al., "A mutation that allows endosperm development without fertilization," <u>Proc. Natl. Acad. Sci. USA</u> , 1996, 93:5319-5324
✓	AMMM	Ohad et al., "Mutations in FIE, a WD Polycomb Group Gene, Allow Endosperm Development without Fertilization," <u>Plant Cell</u> , 1999, 11:407-415
✓	ANNN	Pazin and Kadonaga, "What's Up and Down with Histone Deacetylation and Transcription?" <u>Cell</u> , 1997, 89:325-328
✓	AOOO	Razin, "CpG methylation, chromatin structure and gene silencing - a three-way connection," <u>EMBO J.</u> , 1998, 17(17):4905-4908
✓	APPP	Reiser et al., "The <i>BELL1</i> Gene Encodes a Homeodomain Protein Involved in Pattern Formation in the Arabidopsis Ovule Primordium," <u>Cell</u> , 1995, 83:735-742
✓	AQQQ	Richards, "DNA methylation and plant development," <u>Trends in Genetics</u> , 1997, 13(8):319-323
✓	ARRR	Roberts et al., "Gametophytic and sporophytic expression of an anther-specific <i>Arabidopsis thaliana</i> gene," <u>Plant J.</u> , 1993, 3(1):111-120
✓	ASSS	Roeckel et al., "Phenotypic alterations and component analysis of seed yield in transgenic <i>Brassica napus</i> plants expressing the <i>tzs</i> gene," <u>Physiologia Plantarum</u> , 1998, 102:243-249
✓	ATTT	Ronemus et al., "Demethylation-Induced Developmental Pleiotropy in <i>Arabidopsis</i> ," <u>Science</u> , 1996, 273:654-657
✓	AUUU	Schaal, "Reproductive Capacity and Seed Size in <i>Lupinus Texensis</i> ," <u>Amer. J. Bot.</u> , 1980, 67(5):703-709
✓	AVVV	Scott et al., "Parent-of-origin effects on seed development in <i>Arabidopsis thaliana</i> ," <u>Development</u> , 1998, 125:3329-3341
✓	AWWW	Sessions et al., "Patterning the floral meristem," <u>Seminars in Cell & Developmental Biology</u> , 1998, 9:221-226
✓	AXXX	Solter, "Differential Imprinting and Expression of Maternal and Paternal Genomes," <u>Annu. Rev. Genet.</u> , 1988, 22:127-146
✓	AYYY	Stoskopf et al., "Chapter 17 - Interspecific and Intergeneric Hybridization," <u>Plant Breeding - Theory and Practice</u> , 1993, Westview Press, Boulder, CO, pp. 345-371
✓	AZZZ	Vongs et al., " <i>Arabidopsis thaliana</i> DNA Methylation Mutants," <u>Science</u> , 1993, 260:1926-1928
✓	AAAAA	Winn, "Effects of Seed Size and Microsite on Seedling Emergence of <i>Prunella Vulgaris</i> in Four Habitats," <u>J. Ecology</u> , 1985, 73:831-840
✓	ABBBB	Wulff, "Seed Size Variation in <i>Desmodium Paniculatum</i> ," <u>J. Ecology</u> , 1986, 74:99-114

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